

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                | Default Operator | Plurals | Time Stamp          |
|-------|------|--|------------------------------------|------------------|---------|---------------------|
| L1    | 149  | "434"/\$.ccls. and vascular  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR               | OFF     | 2008/04/14<br>06:26 |
| L2    | 43   | L1 and vein  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR               | OFF     | 2008/04/14<br>06:26 |
| L3    | 133  | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373" | US-PGPUB;<br>USPAT; USOCR          | OR               | OFF     | 2008/04/14<br>06:26 |

|    |    |   |   |    |     |                     |
|----|----|---|---|----|-----|---------------------|
|    |    | "5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |   |    |     |                     |
| L4 | 11 | (("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/04/14<br>06:26 |
| L5 | 49 | (("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or   | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/04/14<br>06:26 |

|    |     |   |                           |    |     |                     |
|----|-----|---|---------------------------|----|-----|---------------------|
|    |     | ("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN.  |                           |    |     |                     |
| L6 | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |

|     |     |  |   |    |     |                     |
|-----|-----|--|---|----|-----|---------------------|
|     |     | "5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |   |    |     |                     |
| L7  | 1   | L6 and skin and vein and palpat\$4   | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/04/14<br>06:26 |
| L8  | 149 | "434"/\$.cccls. and vascular   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2008/04/14<br>06:26 |
| L9  | 43  | L8 and vein  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2008/04/14<br>06:26 |
| L10 | 11  | (("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/04/14<br>06:26 |

|     |     |   |                           |    |     |                     |
|-----|-----|---|---------------------------|----|-----|---------------------|
| L11 | 49  | (("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L12 | 326 | L8 or L9 or L6 or L10 or<br>L11   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L13 | 134 | L12 and (vein or artery)  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |

|     |      |   |                                    |    |     |                     |
|-----|------|---|------------------------------------|----|-----|---------------------|
| L14 | 43   | L13 and palpat\$4   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L15 | 5    | L14 and stiffness   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L16 | 9    | L14 and stretch   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L17 | 13   | L13 and stretch   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L18 | 18   | L13 and stiffness   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L19 | 2    | ((("3947974") or<br>("20040048230"))).PN.   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L20 | 6    | ((("4360345") or<br>("4915635") or<br>("3520071") or<br>("6638073") or<br>("20040048230"))).PN. | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L21 | 0    | ("vascularaccess").PN.  | USPAT; USOCR                       | OR | OFF | 2008/04/14<br>06:26 |
| L22 | 3672 | "vascular access"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L23 | 347  | L22 and simulat\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L24 | 11   | L23 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L25 | 12   | L22 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L26 | 1734 | 434/262-275.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L27 | 310  | L26 and magnet\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L28 | 63   | L27 and (vein or artery)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L29 | 37   | "434"/\$.ccls. and (vein or<br>artery) and occlusion  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L30 | 0    | "434"/\$.ccls. and (vein or<br>artery) and (position near<br>measure)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |

|     |      |   |                                    |    |     |                     |
|-----|------|---|------------------------------------|----|-----|---------------------|
| L31 | 10   | "434"/\$.ccls. and (skin near stretch)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L32 | 3    | "434"/262-275.ccls. and (vein or artery) near (stiff \$4 or rigid\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L33 | 3672 | "VASCULAR ACCESS"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L34 | 0    | L33 and 434/S.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L35 | 12   | L33 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L36 | 133  | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138" | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |

|     |     |  |                                    |    |     |                     |
|-----|-----|--|------------------------------------|----|-----|---------------------|
|     |     | "5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |                                    |    |     |                     |
| L37 | 149 | "434"/\$.ccls. and vascular  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L38 | 43  | L37 and vein   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L39 | 49  | ((("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |



|     |     |  |   |    |     |                     |
|-----|-----|--|---|----|-----|---------------------|
|     |     | ("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN.   |   |    |     |                     |
| L40 | 11  | (("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/04/14<br>06:26 |
| L41 | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871" | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/04/14<br>06:26 |

|     |     |   |                                    |    |     |                     |
|-----|-----|---|------------------------------------|----|-----|---------------------|
|     |     | "5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |                                    |    |     |                     |
| L42 | 149 | "434"/\$.ccls. and vascular   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |

|     |    |   |   |    |     |                     |
|-----|----|---|---|----|-----|---------------------|
| L43 | 49 | (("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN. | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/04/14<br>06:26 |
| L44 | 11 | (("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/04/14<br>06:26 |

|     |      |   |                                    |    |     |                     |
|-----|------|---|------------------------------------|----|-----|---------------------|
| L45 | 43   | L42 and vein  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L46 | 326  | L42 or L45 or L41 or L44<br>or L43  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L47 | 134  | L46 and (vein or artery)  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L48 | 43   | L47 and palpat\$4   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L49 | 5    | L48 and stiffness   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L50 | 3672 | "vascular access"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L51 | 9    | L48 and stretch   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L52 | 1    | L41 and skin and vein and<br>palpat\$4  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L53 | 13   | L47 and stretch   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L54 | 0    | ("vascularaccess").PN.  | USPAT; USOCR                       | OR | OFF | 2008/04/14<br>06:26 |
| L55 | 18   | L47 and stiffness   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L56 | 2    | ((("3947974") or<br>("20040048230"))).PN.   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L57 | 6    | ((("4360345") or<br>("4915635") or<br>("3520071") or<br>("6638073") or<br>("20040048230"))).PN. | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L58 | 347  | L50 and simulat\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L59 | 11   | L58 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L60 | 12   | L50 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L61 | 1734 | 434/262-275.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L62 | 310  | L61 and magnet\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |

|     |      |   |                                    |    |     |                     |
|-----|------|---|------------------------------------|----|-----|---------------------|
| L63 | 63   | L62 and (vein or artery)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L64 | 0    | "434"/\$.ccls. and (vein or artery) and (position near measure)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L65 | 3    | "434"/262-275.ccls. and (vein or artery) near (stiff \$4 or rigid\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L66 | 10   | "434"/\$.ccls. and (skin near stretch)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L67 | 37   | "434"/\$.ccls. and (vein or artery) and occlusion   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L68 | 3672 | "VASCULAR ACCESS"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L69 | 12   | L68 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L70 | 0    | L68 and 434/S.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L71 | 17   | ((("3704529") or ("4134218") or ("4850960") or ("5472345") or ("5821920") or ("5853292") or ("6038488") or ("6088020") or ("6527558") or ("6538634") or ("7182602") or ("20030031993") or ("20030210259") or ("20040024418") or ("20040030303") or ("20040076940") or ("20040097806"))).PN. | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |
| L72 | 70   | "434"/\$.ccls. and magnet \$4 and "force feedback"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L73 | 1    | "6106301".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:26 |
| L74 | 5    | ("3919691"   "4840567"   "5719561"   "6326901"   "6694652").PN. OR ("7271707").URPN.  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/04/14<br>06:26 |

|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
| L75 | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
|-----|-----|--|---------------------------|----|-----|---------------------|

|     |      |   |                           |    |     |                     |
|-----|------|---|---------------------------|----|-----|---------------------|
|     |      | "5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |                           |    |     |                     |
| L76 | 1731 | 434/262-275.ccls.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L77 | 87   | L76 and palpat\$4   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L78 | 44   | L77 and (artery or vein or<br>vascular)   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L79 | 48   | L77 and (arter\$4 or vein<br>or vascular)   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L80 | 8    | ("5073140"   "5733131"  <br>"5823787"   "5941710"  <br>"6215057").PN. OR<br>("6461165").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L81 | 49   | L77 and (arter\$4 or vein<br>or vascular or "blood<br>vessel")  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L82 | 28   | L77 and pulse   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L83 | 8    | ("2451200"   "2871579"  <br>"3055356"   "3662076"  <br>"4182054").PN. OR<br>("4380439").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L84 | 24   | ("3055356"   "3154881"  <br>"3562925"   "3564729").<br>PN. OR ("3662076").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L85 | 24   | ("3055356"   "3154881"  <br>"3562925"   "3564729").<br>PN. OR ("3662076").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
| L86 | 1    | "7202851".pn.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |

|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
| L91 | 260 | ("20010016804"  <br>"20020021277"  <br>"20030031993"  <br>"2832073"   "2972140"  <br>"3157853"   "3220121"  <br>"3226846"   "3497668"  <br>"3517446"   "3520060"  <br>"3623064"   "3662076"  <br>"3775865"   "3902687"  <br>"3903614"   "3911416"  <br>"3919691"   "3994282"  <br>"4052981"   "4127752"  <br>"4160508"   "4236325"  <br>"4262549"   "4321047"  <br>"4333070"   "4360345"  <br>"4391282"   "4439162"  <br>"4459113"   "4464117"  <br>"4484191"   "4513235"  <br>"4581491"   "4599070"  <br>"4638798"   "4642055"  <br>"4664130"   "4685464"  <br>"4708656"   "4713007"  <br>"4726772"   "4750487"  <br>"4773865"   "4787051"  <br>"4789340"   "4791934"  <br>"4794392"   "4795296"  <br>"4825872"   "4868549"  <br>"4885565"   "4891764"  <br>"4896554"   "4907973"  <br>"4930770"   "4934694"  <br>"4949119"   "5019761"  <br>"5022384"   "5022407"  <br>"5035242"   "5038089"  <br>"5044956"   "5050608"  <br>"5078152"   "5086401"  <br>"5107262"   "5112228"  <br>"5121747"   "5131844"  <br>"5137458"   "5146566"  <br>"5149270"   "5165897"  <br>"5175459"   "5184319"  <br>"5185561"   "5186629"  <br>"5186695"   "5203563"  <br>"5205289"   "5212473"  <br>"5217003"   "5220260"  <br>"5230623"   "5240417"  <br>"5251127"   "5271290"  <br>"5273038"   "5275174"  <br>"5283970"   "5290276"  <br>"5295694"   "5296871"  <br>"5299810"   "5309140"  <br>"5320537"   "5333106"  <br>"5334017"   "5334027"  <br>"5338198"   "5339723"  <br>"5351692"   "5355148"  <br>"5368487"   "5376007" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/04/14<br>06:26 |
|-----|-----|--|---------------------------|----|-----|---------------------|



|            |           |
|------------|-----------|
| "5385474"  | "5388992" |
| "5391081"  | "5396895" |
| "5397323"  | "5399091" |
| "5403191"  | "5405152" |
| "5414337"  | "5417210" |
| "5429140"  | "5436542" |
| "5436622"  | "5437607" |
| "5445166"  | "5451924" |
| "5454722") | PN. OR    |
| ("5466213" | "5467763" |
| "5482472"  | "5483961" |
| "5506605"  | "5509810" |
| "5510832"  | "5513992" |
| "5518406"  | "5542672" |
| "5546943"  | "5547382" |
| "5550562"  | "5565840" |
| "5575761"  | "5583478" |
| "5589828"  | "5589854" |
| "5593306"  | "5598269" |
| "5609485"  | "5609560" |
| "5625576"  | "5629594" |
| "5643087"  | "5666138" |
| "5667517"  | "5684722" |
| "5690582"  | "5696537" |
| "5704791"  | "5709219" |
| "5711746"  | "5714978" |
| "5720742"  | "5722836" |
| "5734373"  | "5736978" |
| "5742278"  | "5754023" |
| "5755577"  | "5766016" |
| "5769640"  | "5779209" |
| "5781172"  | "5784052" |
| "5785630"  | "5790108" |
| "5791908"  | "5800177" |
| "5800178"  | "5800179" |
| "5802353"  | "5808665" |
| "5817107"  | "5825308" |
| "5844392"  | "5853292" |
| "5855583"  | "5857986" |
| "5871017"  | "5873731" |
| "5873732"  | "5880714" |
| "5882206"  | "5882207" |
| "5889672"  | "5897437" |
| "5909380"  | "5914705" |
| "5928138"  | "5944151" |
| "5945056"  | "5950629" |
| "5951301"  | "5954692" |
| "5956484"  | "5957694" |
| "5959613"  | "5967790" |
| "5967980"  | "5971767" |
| "5971976"  | "5973670" |
| "5973689"  | "5982353" |
| "5984880"  | "5986643" |
| "5990869"  | "6001014" |
| "6004134"  | "6005551" |
| "6006127"  | "6007342" |

|     |     |  |                                    |    |     |                     |
|-----|-----|--|------------------------------------|----|-----|---------------------|
|     |     | "6020876"   "6028593"  <br>"6038488"   "6061004"  <br>"6062865"   "6077082"  <br>"6078308"   "6086528"  <br>"6088017"   "6088019"  <br>"6088020"   "6100874"  <br>"6106301"   "6111577"  <br>"6113395"   "6126450"  <br>"6157367"   "6160489"  <br>"6160907"   "6184868"  <br>"6193519"   "6193653"  <br>"6211861"   "6219034"  <br>"6223100"   "6246391"  <br>"6358187"   "6373463"  <br>"6422941"   "6448977"  <br>"6473069").PN. OR<br>("6507349"   "6618037").<br>PN. OR ("7202851").<br>URPN. |                                    |    |     |                     |
| L92 | 2   | ("2704897").PN.  | USPAT; USOCR                       | OR | OFF | 2008/04/14<br>06:29 |
| L93 | 17  | I61 and "magnetic force"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>06:30 |
| L94 | 1   | ("4134218").PN.  | USPAT; USOCR                       | OR | OFF | 2008/04/14<br>06:41 |
| L95 | 1   | I61 and hoballah.in.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/04/14<br>08:16 |
| S1  | 136 | "434"/\$.ccls. and vascular  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/07/25<br>08:05 |
| S2  | 41  | S1 and vein  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/07/25<br>08:05 |
| S3  | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>12:43 |

|    |    |  |   |    |     |                     |
|----|----|--|---|----|-----|---------------------|
|    |    | "5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |   |    |     |                     |
| S4 | 11 | (("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2007/07/25<br>12:53 |

|    |    |   |                           |    |     |                     |
|----|----|---|---------------------------|----|-----|---------------------|
| S5 | 49 | (("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/07/25<br>12:39 |
|----|----|---|---------------------------|----|-----|---------------------|

|    |     |  |                           |    |     |                     |
|----|-----|--|---------------------------|----|-----|---------------------|
| S6 | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/09/22<br>12:43 |
|----|-----|--|---------------------------|----|-----|---------------------|

|     |     |  |   |    |     |                     |
|-----|-----|--|---|----|-----|---------------------|
|     |     | "5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN.  |   |    |     |                     |
| S7  | 1   | S6 and skin and vein and<br>palpat\$4  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/22<br>13:07 |
| S8  | 137 | "434"/\$.ccls. and vascular  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2007/09/22<br>13:07 |
| S9  | 41  | S8 and vein  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2007/09/22<br>13:07 |
| S10 | 11  | ((("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2007/09/22<br>13:07 |
| S11 | 49  | ((("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/22<br>13:07 |

|     |      |  |                                    |    |     |                     |
|-----|------|--|------------------------------------|----|-----|---------------------|
|     |      | ("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN. |                                    |    |     |                     |
| S12 | 314  | S8 or S9 or S6 or S10 or S11   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:08 |
| S13 | 129  | S12 and (vein or artery)   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:08 |
| S14 | 41   | S13 and palpat\$4  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:09 |
| S15 | 5    | S14 and stiffness  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:09 |
| S16 | 9    | S14 and stretch  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:23 |
| S17 | 13   | S13 and stretch  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:26 |
| S18 | 17   | S13 and stiffness  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:37 |
| S19 | 2    | ((("3947974") or<br>("20040048230"))).PN.  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:42 |
| S20 | 6    | ((("4360345") or<br>("4915635") or<br>("3520071") or<br>("6638073") or<br>("20040048230"))).PN.  | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2007/09/22<br>13:43 |
| S21 | 0    | ("vascularaccess").PN.   | USPAT; USOCR                       | OR | OFF | 2007/09/22<br>13:50 |
| S22 | 3397 | "vascular access"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/22<br>13:50 |
| S23 | 311  | S22 and simulat\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/22<br>13:51 |
| S24 | 11   | S23 and "434"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/22<br>13:51 |

|     |      |   |                                    |    |     |                     |
|-----|------|---|------------------------------------|----|-----|---------------------|
| S25 | 12   | S22 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>13:28 |
| S26 | 1664 | 434/262-275.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/22<br>13:57 |
| S27 | 288  | S26 and magnet\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/22<br>13:57 |
| S28 | 60   | S27 and (vein or artery)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/22<br>13:58 |
| S29 | 35   | "434"/\$.ccls. and (vein or artery) and occlusion   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>10:58 |
| S30 | 0    | "434"/\$.ccls. and (vein or artery) and (position near measure)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>10:58 |
| S31 | 10   | "434"/\$.ccls. and (skin near stretch)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>11:19 |
| S32 | 3    | "434"/262-275.ccls. and (vein or artery) near (stiff \$4 or rigid\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>11:20 |
| S33 | 3398 | "VASCULAR ACCESS"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>13:29 |
| S34 | 0    | S33 and 434/S.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>13:29 |
| S35 | 12   | S33 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2007/09/25<br>13:29 |
| S36 | 133  | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404" | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/01/05<br>19:10 |



|     |     |  |                                    |    |     |                     |
|-----|-----|--|------------------------------------|----|-----|---------------------|
|     |     | "5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |                                    |    |     |                     |
| S37 | 142 | "434"/\$.ccls. and vascular  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S38 | 42  | S37 and vein   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |

|     |    |   |   |    |     |                     |
|-----|----|---|---|----|-----|---------------------|
| S39 | 49 | (("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or<br>("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN. | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S40 | 11 | (("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/01/05<br>19:10 |

|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
| S41 | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802"  <br>"5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>19:10 |
|-----|-----|--|---------------------------|----|-----|---------------------|

|     |     |  |                                    |    |     |                     |
|-----|-----|--|------------------------------------|----|-----|---------------------|
|     |     | "5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN.  |                                    |    |     |                     |
| S42 | 142 | "434"/\$.ccls. and vascular  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S43 | 49  | ((("20050214725") or<br>("20050214724") or<br>("5620419") or<br>("6296847") or<br>("5281199") or<br>("5350360") or<br>("5417656") or<br>("5476451") or<br>("5503630") or<br>("5527277") or<br>("5527278") or<br>("5531684") or<br>("5542923") or<br>("5556381") or<br>("5792123") or<br>("6190352") or<br>("5792104") or<br>("6527754") or<br>("20030181878") or<br>("20040204692") or<br>("5749371") or<br>("6761725") or<br>("6475753") or<br>("5520632") or<br>("20040176690") or<br>("20050157939") or<br>("5599317") or<br>("20060224129") or<br>("4915113") or<br>("5931829") or<br>("6238369") or<br>("5460612") or<br>("5531701") or<br>("5533988") or<br>("6197001") or<br>("4772261") or<br>("4822341") or<br>("5332398") or<br>("5421814") or<br>("5562617") or<br>("5713859") or<br>("5755780") or | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/01/05<br>19:10 |

|     |      |  |   |    |     |                     |
|-----|------|--|---|----|-----|---------------------|
|     |      | ("5944688") or<br>("5989206") or<br>("5989239") or<br>("6056717") or<br>("6228088") or<br>("4318401") or<br>("5176653")).PN. |   |    |     |                     |
| S44 | 11   | ((("20030069719") or<br>("20040002045") or<br>("3722108") or<br>("6568941") or<br>("6470302"))).PN.                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/01/05<br>19:10 |
| S45 | 42   | S42 and vein   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2008/01/05<br>19:10 |
| S46 | 319  | S42 or S45 or S41 or S44<br>or S43   | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S47 | 131  | S46 and (vein or artery)   | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S48 | 42   | S47 and palpat\$4  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S49 | 5    | S48 and stiffness  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S50 | 3519 | "vascular access"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2008/01/05<br>19:10 |
| S51 | 9    | S48 and stretch  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S52 | 1    | S41 and skin and vein and<br>palpat\$4   | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S53 | 13   | S47 and stretch  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S54 | 0    | ("vascularaccess").PN.   | USPAT; USOCR                                  | OR | OFF | 2008/01/05<br>19:10 |
| S55 | 17   | S47 and stiffness  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S56 | 2    | ((("3947974") or<br>("20040048230"))).PN.  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S57 | 6    | ((("4360345") or<br>("4915635") or<br>("3520071") or<br>("6638073") or<br>("20040048230"))).PN.                              | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2008/01/05<br>19:10 |
| S58 | 325  | S50 and simulat\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2008/01/05<br>19:10 |
| S59 | 11   | S58 and "434"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS            | OR | OFF | 2008/01/05<br>19:10 |

|     |      |   |                                    |    |     |                     |
|-----|------|---|------------------------------------|----|-----|---------------------|
| S60 | 12   | S50 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S61 | 1690 | 434/262-275.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S62 | 293  | S61 and magnet\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S63 | 60   | S62 and (vein or artery)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S64 | 0    | "434"/\$.ccls. and (vein or artery) and (position near measure)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S65 | 3    | "434"/262-275.ccls. and (vein or artery) near (stiff \$4 or rigid\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S66 | 10   | "434"/\$.ccls. and (skin near stretch)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S67 | 36   | "434"/\$.ccls. and (vein or artery) and occlusion   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S68 | 3519 | "VASCULAR ACCESS"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S69 | 12   | S68 and "434"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:22 |
| S70 | 0    | S68 and 434/S.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>19:10 |
| S72 | 17   | ((("3704529") or ("4134218") or ("4850960") or ("5472345") or ("5821920") or ("5853292") or ("6038488") or ("6088020") or ("6527558") or ("6538634") or ("7182602") or ("20030031993") or ("20030210259") or ("20040024418") or ("20040030303") or ("20040076940") or ("20040097806"))).PN. | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/01/05<br>20:25 |

|     |     |   |                                    |    |     |                     |
|-----|-----|---|------------------------------------|----|-----|---------------------|
| S73 | 68  | "434"/\$.ccls. and magnet \$4 and "force feedback"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>20:27 |
| S74 | 1   | "6106301".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS | OR | OFF | 2008/01/05<br>20:27 |
| S75 | 5   | ("3919691"   "4840567"  <br>"5719561"   "6326901"  <br>"6694652").PN. OR<br>("7271707").URPN.   | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/01/05<br>20:45 |
| S76 | 133 | ("3226846"   "3304434"  <br>"3541541"   "3748366"  <br>"3775865"   "4321047"  <br>"4360345"   "4409479"  <br>"4459113"   "4490810"  <br>"4642055"   "4712101"  <br>"4726772"   "4767333"  <br>"4773865"   "4789340"  <br>"4804328"   "4807158"  <br>"4867168"   "4867685"  <br>"4879668"   "4907973"  <br>"4936862"   "5044956"  <br>"5077608"   "5086401"  <br>"5099846"   "5112228"  <br>"5130794"   "5137458"  <br>"5149270"   "5185561"  <br>"5205289"   "5220260"  <br>"5222499"   "5261404"  <br>"5273038"   "5295694"  <br>"5311422"   "5320326"  <br>"5320537"   "5320538"  <br>"5322441"   "5333106"  <br>"5338198"   "5343871"  <br>"5354202"   "5376007"  <br>"5377116"   "5385474"  <br>"5389865"   "5391081"  <br>"5403191"   "5414337"  <br>"5438529"   "5451924"  <br>"5454722"   "5459382"  <br>"5482472"   "5483254"  <br>"5483961"   "5509810"  <br>"5510832"   "5513992"  <br>"5518406"   "5531227"  <br>"5546943"   "5552995"  <br>"5559412"   "5576727"  <br>"5589854"   "5593306"  <br>"5609485"   "5623582"  <br>"5629594"   "5666138"  <br>"5682886"   "5687259"  <br>"5691898"   "5701140"  <br>"5704791"   "5721566"  <br>"5722836"   "5724264"  <br>"5731804"   "5734373"  <br>"5739811"   "5740802" | US-PGPUB;<br>USPAT; USOCR          | OR | OFF | 2008/01/05<br>21:07 |

|     |      |  |                           |    |     |                     |
|-----|------|--|---------------------------|----|-----|---------------------|
|     |      | "5742278"   "5755577"  <br>"5766016"   "5767839"  <br>"5768134"   "5769640"  <br>"5791908"   "5800177"  <br>"5800178"   "5800179"  <br>"5805140"   "5807115"  <br>"5821920"   "5825308"  <br>"5825841"   "5828197"  <br>"5853292"   "5873731"  <br>"5873732"   "5880976"  <br>"5882206"   "5882207"  <br>"5890908"   "5891131"  <br>"5909380"   "5941710"  <br>"5945056"   "5947743"  <br>"5950629"   "5951301"  <br>"5956040"   "5967790"  <br>"5995738"   "6038488"  <br>"6106301"   "D233238"  <br>"D272833").PN. OR<br>("D392878").PN. OR<br>("6470302").URPN. |                           |    |     |                     |
| S77 | 1687 | 434/262-275.ccls.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:08 |
| S78 | 85   | S77 and palpat\$4  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:08 |
| S79 | 43   | S78 and (artery or vein or<br>vascular)  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:08 |
| S80 | 47   | S78 and (arter\$4 or vein<br>or vascular)  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:45 |
| S81 | 7    | ("5073140"   "5733131"  <br>"5823787"   "5941710"  <br>"6215057").PN. OR<br>("6461165").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:44 |
| S82 | 48   | S78 and (arter\$4 or vein<br>or vascular or "blood<br>vessel")   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:45 |
| S83 | 27   | S78 and pulse  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:45 |
| S84 | 8    | ("2451200"   "2871579"  <br>"3055356"   "3662076"  <br>"4182054").PN. OR<br>("4380439").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:49 |
| S85 | 23   | ("3055356"   "3154881"  <br>"3562925"   "3564729").<br>PN. OR ("3662076").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:58 |
| S86 | 23   | ("3055356"   "3154881"  <br>"3562925"   "3564729").<br>PN. OR ("3662076").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>21:59 |



|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
| S87 | 1   | "7202851".pn.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>22:00 |
| S88 | 260 | ("20010016804"  <br>"20020021277"  <br>"20030031993"  <br>"2832073"   "2972140"  <br>"3157853"   "3220121"  <br>"3226846"   "3497668"  <br>"3517446"   "3520060"  <br>"3623064"   "3662076"  <br>"3775865"   "3902687"  <br>"3903614"   "3911416"  <br>"3919691"   "3994282"  <br>"4052981"   "4127752"  <br>"4160508"   "4236325"  <br>"4262549"   "4321047"  <br>"4333070"   "4360345"  <br>"4391282"   "4439162"  <br>"4459113"   "4464117"  <br>"4484191"   "4513235"  <br>"4581491"   "4599070"  <br>"4638798"   "4642055"  <br>"4664130"   "4685464"  <br>"4708656"   "4713007"  <br>"4726772"   "4750487"  <br>"4773865"   "4787051"  <br>"4789340"   "4791934"  <br>"4794392"   "4795296"  <br>"4825872"   "4868549"  <br>"4885565"   "4891764"  <br>"4896554"   "4907973"  <br>"4930770"   "4934694"  <br>"4949119"   "5019761"  <br>"5022384"   "5022407"  <br>"5035242"   "5038089"  <br>"5044956"   "5050608"  <br>"5078152"   "5086401"  <br>"5107262"   "5112228"  <br>"5121747"   "5131844"  <br>"5137458"   "5146566"  <br>"5149270"   "5165897"  <br>"5175459"   "5184319"  <br>"5185561"   "5186629"  <br>"5186695"   "5203563"  <br>"5205289"   "5212473"  <br>"5217003"   "5220260"  <br>"5230623"   "5240417"  <br>"5251127"   "5271290"  <br>"5273038"   "5275174"  <br>"5283970"   "5290276"  <br>"5295694"   "5296871"  <br>"5299810"   "5309140"  <br>"5320537"   "5333106"  <br>"5334017"   "5334027"  <br>"5338198"   "5339723" | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/01/05<br>22:14 |

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| "5436622"  | "5437607" |
| "5445166"  | "5451924" |
| "5454722") | PN. OR    |
| ("5466213" | "5467763" |
| "5482472"  | "5483961" |
| "5506605"  | "5509810" |
| "5510832"  | "5513992" |
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|--------------------------|-----------|
| "6004134"                | "6005551" |
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| ("6507349"   "6618037"). |           |
| PN. OR ("7202851").      |           |
| URPN.                    |           |

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